

Notice of Allowability

Application No.

10/699,813

Examiner

Prabodh M. Dharia

Applicant(s)

JEON ET AL.

Art Unit

2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12-11-2006.
2. ☒ The allowed claim(s) is/are 77-96 and renumbered as 1-20.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

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1. **Status:** please all the replies and correspondence should be addressed to examiner's new art unit 2629. Receipt is acknowledged of papers submitted 12-11-2006 under request for reconsideration with terminal disclaimer have been placed of record in the file. The terminal disclaimer filed on 12-11-2006 disclaiming the terminal portion of any patent granted on this application has been reviewed and is accepted. Claims 77-96 are pending in this office action. Claims 1-76 are cancelled.

2. A timely filed on 12-11-2006 terminal disclaimer in compliance with 37 CFR 1.321(c) has overcome an actual rejection based on a nonstatutory double patenting ground and signed by the agent to fully comply with 37 CFR 3.73(b).

Response to Amendment

3. Applicant has timely filed on 12-11-2006 disclaiming the terminal portion of any patent granted on this application has been reviewed and is accepted. After further consideration and extensive search under US-PGPUB, US PATENT, JPO, EPO, DERWENT, IBM_TDB and prior art, claims 77-96 do overcome prior art cited on 892's, which puts the application number 10699813 in condition for allowance.

4. Applicant has amended abstract and specification per examiner's objection of abstract and specification. Therefore objection to abstract and specification withdrawn.

5. Claims 77-96 are allowed.

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6. The following is an examiner's statement of reasons for allowance: Applicant has timely filed on 01-08-2007 a terminal disclaimer in compliance with 37 CFR 1.321(c) has overcome an actual rejection based on a nonstatutory double patenting ground and signed by the agent to fully comply with 37 CFR 3.73(b). The cited prior art of 892's fail to recite or disclose the uniquely distinct features of the independent claims limitations below:

the multiple stages including odd numbered stages for receiving a first clock signal and even numbered stages for receiving a second clock signal having a phase different from the first clock signal, each of the multiple stages comprising: a pull-up section for providing a corresponding one of the first and second clock signals to an output terminal; a pull-up driving section coupled to an input node of the pull-up section, for turning on the pull-up section in response to a front edge of an input signal and turning off the pull-up section in response to a front edge of an output signal of one of next stages; a pull-down section for providing a first power voltage to the output terminal; and a pull-down driving section coupled to an input node of the pull-down section, for turning off the pull-down section in response to the front edge of the input signal and turning on the pull- down section in response to the front edge of the output signal of one of the next stages.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prabodh M Dharia whose telephone number is 571-272-7668.

The examiner can normally be reached on M-F 8AM to 5PM.

8. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

9. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

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01-28-2007



BIPIN SHALWALA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600